ABSTRACT

The present invention has applications in the field of color displays, including computer monitors, video games, television, and other applications that may require a variety of light wavelengths. In one aspect of the invention, a light generator can generate light having selected proportions of red, green, and blue wavelengths from a single source of blue light. In a specific embodiment, the light generator includes a blue laser for generating a first beam of blue light. In another aspect of the invention, beamsplitters are used to split the beam of blue light into separate beams to generate light having a single color in each beam. In one such embodiment, upconversion lasers are used to generate each of the single colors.